Official Stamp of Attendant			

Student Worksheet for Science on Saturday

Biodefense: Detection to Protect the Nation

Goal: To understand new methods being developed to detect germs before they can cause an epidemic outbreak of potentially deadly infectious disease.

QUESTIONS

1. What is biodefense..?

2.	2. Match the terms in the left column to the correct phrase on the right:				
	virus	a. discovered the "germ theory" of infectious dis	sease		
	antibody	b . the body's own defense against germs			
	Louis Pasteur	c. any agent which can trigger an immune resp	onse		
	fluorescence	d. requires a host cell to multiply			
	antibiotic	e. light which is produced from other light energ	ЭУ		
	Edward Jenner	f. any agent which can cause an infectious dise	ase		
	immune system	g. tried to infect an innocent child with smallpox	Κ.		
	pathogen	h. a protein molecule that can bind to a specific	germ		
	antigen	i. medicine which can stop or kill a bacterial info	ection		
3.	True or False?				
*	Infectious disease can kill more people than a nuclear bomb.				
*	➤ We don't need to worry about future epidemics, because we have vaccines. T / F				
*	Our skin is an important defense mechanism against infectious disease.				
*	A healthy person has up to 10	00 different antibodies in their bloodstream.	T/F		
*	Immunoassays are used to de	etect germs faster than by using lab cultures.	T / F		
4.	Fill in the blanks: P V_	NT N is the best DEFENSE!			
5.	5. Would you rather be a <u>scientist</u> , <u>engineer</u> , or <u>physician</u> – and why?				